

4/6/90

GEOLOGIC DIVISION ROCK STORAGE FACILITY

ORIGINAL + 3 COPIES TO ACCOMPANY ROCK BOXES

1030 O'BRIEN DRIVE

BOX #	DESCRIPTION OF CONTENTS (INCLUDE ALL SPECIMEN NUMBERS)
<u>Box 1</u>	<p>1981 D-B SIERRA FIELD TRIP W/ PAUL BATEMAN:</p> <p>1 - lineated aplite dike 2 -tonalite 3 -leucotonalite 4 -striped amphibolite 5 -lineated gneiss 6A -granodiorite w/ fine-grained mafic inclusions 6B -sheared dike 7 -pegmatite 8 -orbicular granodiorite Cathedral Peak granodiorite - 2 samples 1/2 dome granodiorite</p>
<u>Box 2</u>	<p>MARCH, 1981 HERMOSILLO GSA FLD TRIP #5 RINCON AUGEN GNEISS TUCSON</p> <p>DEATH VALLEY AUGEN GNEISS</p> <p>SYENITE NEAR PIKES PEAK</p> <p>1981 PAPOOSE FLAT FIELD TRIP 81DB PFAU (augen gneiss)--3 samples 81DBDK (aplite dike) granitic material in fine-grained wallrock of Papoose flat pluton</p> <p>1984 GSA FIELD TRIP, ANCHORAGE TO RESURRECTION BAY (ANCH. --loc. in guidebook and in file fieldwork, 1984 folder; Fbks.--loc. and writeup in Fbks. guidebook)</p> <p>84ADb 1 and ADb'1 (other half)-Valdez gp. argillite 84ADb 2 (valdez gp. phyllite 84ADb 4 argillite 84ADb 5 (Fairbanks schist qtzite) 84ADb 6 (Wickersham grit) 84ADb 7 () 84ADb 8 (Maroon and green slate) 84ADb 9 (Wickersham grit) 84ADb 10 (samples 1 and 2 fossil creek volcanics) 84ADb 11 (Mesozoic flysch) 84ADb 12 (Dev. clastic unit siltstone) 84ADb 13 (Chena River seq. -fine-grd qtzite or metachert) 84ADb 14 (Chena Riv. Trias. marble) 84ADb 15 (Chena Riv. carbonaceous block mica schist) 84ADb 16 (Chena Riv. seq. amphibolite) 84ADb 17 () lamin. white mica schist)</p>

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<i>PAUL BATEMAN</i>				
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BOX #	DESCRIPTION OF CONTENTS (INCLUDE ALL SPECIMEN NUMBERS)
Box 3 (pg. 1 of 2)	<p>GREEN GRIT SAMPLES (BIG DELTA = BD)</p> <p>75AFr 169A, (for thin section) -BD B-2 75AFr 381 --BD C-1 75AFr 385B -- BD C-1 75AFr 386 --BD C-1 75AFr 388 --BD C-1 75AFr 4114A -- BD C-1 75AFr 4114B-- BD C-1 75AFr 4114C -- BD C-1 75AFr 4115A -- BD C-1 75AFr 4116B -- BD C-1 75AFr 4117D -- BD C-1 75AFr 4118A -- BD C-1 75AFr 4118D -- BD C-1 75AFr 4119A -- BD C-1 75AFr 4119C --BD C-1 75AFr 4120A -- BD C-1 75AFr 4121A -- BD C-1 75AFr 4122A (for thin section) -- BD C-1 75AFr 4123A -- BD D-1 75AFr 4125B --BD D-1 75AFr 4126 -- BD D-1 75AFr 4127A -- BD D-1 75AFr 4128 (2 pieces -- of different rocks) -- BD D-1 75AFr 4129 (2 pieces of same rk) -- BD D-1 75AFr 4130A -- BD D-1 75AFr 4131 (2 pieces) -- BD D-1 75AFr 4132 -- BD D-1 75AFr 4133 -- BD D-1 75AWr 305A -- BD C-1 75AWr 305B -- BD C-1 75AWr 307B --BD C-1 75AWr 308A -- BD C-1 75AWr 309B -- BD C-1 75AWr 445 -- BD D-2 75AWr 446A --BD D-2 75AWr 446A --BD D-2 75AWr 447B 75AWr 447D 75AWr 447E 75AWr 448A 75AWr 449 75AWr 450D</p>
Box 3 cont. pg. 2 of 2	<p>GREEN GRIT SAMPLES CONTINUED (pg. 2 of 2) (BD=Big Delta)</p> <p>75AWr 452A -- BD D-2 75AWr 452B 75AWr 453 -- BD D-3 75AWr 455C 75AWr 456 75AWr 458</p> <p>76AFr 460A -- BD D-3</p> <p>76AWr 118C BD C-6 76AWr 296A BD D-5 76AWr 296B 76AWr 296C 76AWr 296D</p> <p>77AFr 429A BD C-5 77AFr 437 77AFr 3242 BD D-5 77AFr 3243B 77AFr 3243D</p>

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BOX 4	<p>AUGEN GNEISS -- All Big Delta (BD) quad., except one Tanacross quad; ("T.S." = sample from which thin section was made) 74AFr 331D -- Tanacross D-3</p> <p>76 AWr 81 -- BD C-6 T.S. 76 AWr 113A -- BD C-5 T.S. 76 AWr 118A -- BD C-6 T.S.</p> <p>77AUG 1 -- can't find on map T.S. + lrg. sample 77AFr 3243A -- BD D-5 T.S. 77AFr 4167 -- BD B-3 (far W of main area) (to stain & later T.S.) 77AFr 4245 -- BD B-2 T.S. 77AFr 4245A -- BD B-2 T.S. + oversize sample 77AFr 4245B1 -- BD B-2 T.S. 77AFr 4245B2 -- BD B-2 T.S. + oversize sample 77AFr 4245C -- BD B-2 T.S. 77AFr 4245D1 -- BD B-2 T.S. 77AFr 4245D2 -- BD B-2 T.S. 77AFr 4245E -- BD B-2 T.S. 77AFr 4245F -- BD B-2 T.S. 77AFr 4245G-1 -- BD B-2 T.S. 77AFr 4245G-2 -- BD B-2 T.S.</p>			
Box 5	<p><u>AUGEN GNEISS -- BIG DELTA QUAD. B-2 ("T.S." = thin section)</u></p> <p>78AG-1 -- 3 lrg samples, 1 cut into 3 pcs = 5 pcs total 78AG-1A -- 1 lrg sample cut into 2 pcs + 1 piece for t.s. 78AG-1B -- t.s. + lrg sample ← Rem d for muscovite study 5/92 78AG-1C -- t.s. + oversize 78AG-2 -- 3 samples, 2 cut into 2 pcs. = 5 total pcs 78AG-2A -- large 78AG-2A-1 -- t.s.</p>			
Box 6	<p><u>AUGEN GNEISS -- BIG DELTA (=BD) (T.S. = thin section)</u></p> <p>78AFr AG2B --- BD B-2 (T.S. + lrg sample cut into 2 pcs) 78AFr AG2C --- BD B-2 (T.S. + oversize)</p> <p>78AFr AG3 --- BD B-1 (2 samples, 1 cut into 3 pcs) 78AFr AG3A --- BD B-1 (T.S.) 78AFr AG3B --- BD B-1 78AFr AG3C --- BD B-1 (T.S. + large) 78AFr AG4 --- BD B-1 (2 samples) 78AFr AG4A --- BD B-1 (T.S. + large) 78AFr AG4C --- BD B-1</p>			
BOX 7	<p><u>AUGEN GNEISS (FROM BIG DELTA (BD) AND 1 FROM CIRCLE QUAD) AND DATED (U-PB) GRANITE THAT INTRUDES SILLIMANITE GNEISS (T.S. = sample used for thin section)</u></p> <p>78AFr AG5 --- BD B-1 (2 samples) 78AFr AG5A --- BD B-1 78AFr AG5B --- BD B-1 78AFr AG5C --- BD B-1</p> <p>79AWs 105A Circle quad.</p> <p>79AFr 4010A GRANITE INTRUSIVE INTO SILL. GN. --BD C-4 (sample + T.S.) 79AFr 4010B -- GNEISS FROM ABOUT 50 m down ridge from granite sampled at 4010A -- BD C-4 (large sample + T.S.)</p> <p>79AFr 4011 -- BD B-1 --intermediate dike that cuts? augen gneiss (large sample)</p>			
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Box 8	<p><u>AUGEN GNEISS AND RELATED DIKE ROCKS AND "ALICE'S QTZITE" FROM BIG DELTA (BD), AND TANACROSS C-2 AUG GN</u></p> <p>79AFr 4012 --BD B-1 -- bt qtz monz. or granodior.dike (same as zirc. sample 79AFr 2011) that cuts aug gn 79AFr 4013 --BD B-1 --int-mafic dike that cuts aug gn 79AFr 4014 --BD B-1 meta. qtz vein (mistakenly called qtzite by Alice, so we refer to this as "Alice's qtzite")</p> <p>79AFr 4015 --Tanacross C-2 -- augen gn 79AFr 4015A --Tanacross C-2 (same as aug gn 2013 zirc samp collected from otcp by John & Charlie --2 pcs. 79AFr 4015B --Tanacross C-2 (same as aug gn 2013 zirc samp collected from rubble block by John & Charlie)-2 pcs</p> <p>79AFr 4016A --BD B-1 (Alice's qtzite locality) -ag gn (round t.s. + lrg sample) 79AFr 4016B --BD B-1 (Alice's qtzite locality) -ag gn (1 oversize, 1 regular sample) 79AFr 4016C --BD B-1 (Alice's qtzite locality) -- ag gn (2 samples, 5 pieces) 79AFr 2014B = 4016A --BD B-1 (Alice's qtzite locality) -- Alaskite dike - from zircon sample (see notes for 79AFr4016E as well as second locality in 1980 notes)</p>
Box 9	<p><u>AUGEN GNEISS, META ALASKITE DIKE, METAVOLCANIC, AND BT, BT-AMPH-, AND BT-MU GN --BIG DELTA B-1 AND A-1</u></p> <p>79AFr 4016C -- BD B-1 aug gn from Alice's qtzite locality 79AFr 4016D -- BD B-1 Alaskite dike from Alice's qtzite locality NOTE --4016E IS IN BOX 10, NOT THIS BOX 79AFr 4016F -- BD B-1 mu-bt gn from 30 m S of Alice's qtzite locality</p> <p>79AFr 4017A -- BD A-1 metavolcanic breccia w/ flattened clasts (crystal? vitric tuff or pyroclastic flow) 79AFr 4017C -- BD A-1 augen gneiss below amphibolite; same sample as chem and zirc U-Pb (79AFr 2015 done on)</p> <p>79AFr 4018A --BD A-1 --bt-amph gn 79AFr 4018B --BD A-1 -- bt gn 79AFr 4018C --BD A-1 -- ag gn; has more augen than most</p> <p>79AFr 4019 --BD B-1 -- ag gn w/ 1-5 cm augen</p>
BOX 10	<p><u>AUGEN GNEISS, META ALASKITE, AND WALL ROCK FROM BIG DELTA (BD) QUAD.</u></p> <p>79AFr 4016E -- BD B-1 -meta Alaskite dike ("Alice's qtzite" locality) -- basketball-size bag and t.s. sample</p> <p>79AFr 4020A --BD B-1 -- augen-poor layer of ag gn (lrg bag 2-3 pcs + t.s. sample) 79AFr 4020B --BD B-1 -- oriented sample of augen-rich ag gn -- have chem on this sample 79AFr 4020C --BD B-1 -- fine-grd 15 cm wide band in ag gn (has sharp contacts in fld)</p> <p>79AFr 4022 --BD B-2 --very lineated aug gn -- t.s. samp 79AFr 4022A --BD B-2 --very lineated aug gn --oversize</p> <p>79AFr 4024 --BD B-2 -- 9 different samples of gn and sch from near contact w/ aug gn. Samples A thru I. Some small-augen ag gn?, some semipelitic?</p> <p>79AFr 4025 --BD B-2 -- mica schist</p>

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Box 11	<p><u>AUGEN GNEISS AND ASSOCIATED WALL ROCKS (+1 GRANITOID) FROM BIG DELTA (BD) QUAD.</u></p> <p>79AFr 4026B -- BD B-2 -- amphibolite (used for chem) -- lrg sample cut into 3 pcs 79AFr 4026D -- BD B-2 --notes say mica schist for Al2SiO5, but t.s. looks like very deformed gr-mu aug gn --sample for t.s. and other sample NOTE --I HAVE KEPT GT-BEARING PELITIC SCH IN OFFICE RK DRAWER</p> <p>79AFr 4027 -- BD A-2 --ag gn --1 lrg sampl for t.s. and 3 sm. samples 79AFr 4028 -- BD A-2 --(I assume this is A (qtzite --for zirc.) cuz notes say "can't find sampl. B which is a mica sch- box packed w/o me seeing sample, or else I would have known ---1 lrg sampl ,2 pcs, and samp.for t.s. 79AFr 4029A -- BD A-1 -- pelitic schist (kyanite locality); 2 pcs. + t.s. remn.--notes say check for Al2SiO5 79AFr 4029B -- BD A-1 -- pelitic schist (kyanite locality); 1 pcs. + t.s. remn.--notes say check for Al2SiO5 79AFr 4030A -- BD A-1 -- augen gn --t.s. remn. + sample (collected for hem. sample) 79AFr 4030B -- BD A-1 -- hand sample of assoc. pel. sch</p> <p>80AFr 110 --BD C-3 -- bt-hb granitoid for K-Ar and common Pb (t.s. + 3 pcs) 80AFr 111A --BD C-3 -- med-grd qz-wm-feld-chl gneiss 80AFr 111B --BD C-3 -- med-grd qz-feld-bt-wm-chl gneiss 80AFr 111D --BD C-3 -- med-grd qz-feld-bt-wm gneiss w/ K-spar augen 80AFr 112A -- BD B-4 marble (t.s. remn + sample) 80AFr 112AA -- BD B-4 gneiss w/ feld folded; makesit appear like aug gn 80AFr 112AB -- BD B-4 --hbl gneiss (t.s. remn + sample) 80AFr 113 -- BD C-3 -- augen gneiss -cataclastic (zirc. and chem. analy. sample) (t.s. + 6 samples)</p>
Box 12	<p><u>AUGEN GNEISS AND ASSOCIATED WALL ROCK FROM BIG DELTA (BD), EAGLE, AND TANACROSS QUADS.</u></p> <p>80AFr 114 --BD C-4 sillimanite gneiss (zirc, chem sample) 80AFr 115A -- BD B-2 -- qz-chl-flid-garnet qtzite (for Rb/Sr and chem)-- Rb/Sr sample, t.s. remn., and 2 pcs 80AFr 115B -- BD B-2 -- qz-flid-dk-green amph-garnet qtzite --t.s. + sample + Rb/Sr sample 1980 AG 5B -- BD B-1 (see beginning of '80 notes) --augen gneiss</p> <p>81ADb 2a --Eagle A-6 --augen gneiss --coarse sand remnants of zirc. sample of augen gneiss (volleyball size) 81ADb 11 Tanacross D-1 -variably foliated hbl-bearing(?) bt augen gneiss --coarse sand remnants of zirc. sample of augen gneiss (cantalope size) 81ADb 17A Big Delta C-2 pelitic schist --(notes say check for gt and st) --notes say do chem on this sample -- coarse sand remnants (orange size bag)</p>
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